



RSR RUNGTA COLLEGE OF ENGINEERING & TECHNOLOGY

Rungta Knowledge City

Kohka – Kurud Road, Bhilai (C.G.)-490024

Recognized by AICTE, New Delhi and Affiliated to CSVTU, Bhilai.

Department of Electronics & Telecommunication

Course Outcomes

Programme: Bachelor of Technology

Course Name : Mathematics- III

Semester: III

Course Code : B000311(014)

CO1: After studying the contents of the syllabus in detail the students will be able to: Define (mathematically) unit step unit impulse.

CO2:Laplace transform its properties, inverse and applications to solve ordinary differential equations and find Numerical solution of differential equations.

CO3: which may be arising due to mathematical modelling based on engineering problems.

CO4: Hands on these Mathematical topics will make them equipped to prepare for higher studies through competitive examinations.

Department of Electronics & Telecommunication

Course Outcomes

Programme: Bachelor of Technology

Course Name : Electronic Devices

Semester: III

Course Code : B028312(028)

CO1. Understand the principles of semiconductor Physics

CO2. Understand and utilize the mathematical models of semiconductor junctions and MOS transistors for circuits and systems.



RSR RUNGTA COLLEGE OF ENGINEERING & TECHNOLOGY

Rungta Knowledge City

Kohka – Kurud Road, Bhilai (C.G.)-490024

Recognized by AICTE, New Delhi and Affiliated to CSVTU, Bhilai.

Department of Electronics & Telecommunication

Course Outcomes

Programme: Bachelor of Technology

Course Name : Digital System Design

Semester: III

Course Code : B028313(028)

CO1: Employ Boolean algebra and circuit minimization techniques.

CO2. Design and analyze combinational logic circuits such as adders, subtractors, multiplexers, flipflops, shift registers and counters.

CO3. Design & analyze modular combinational circuits with MUX/DEMUX, Decoder, Encoder

CO4. Design & analyze synchronous sequential logic circuits

CO5. Gain knowledge about various logic families and select a suitable one for a specific application.

Department of Electronics & Telecommunication

Course Outcomes

Programme: Bachelor of Technology

Course Name : Network Theory

Semester: III

Course Code : B028314(028)

CO1. Understand basics electrical circuits with nodal and mesh analysis.

CO2. Appreciate electrical network theorems.

CO3. Apply Laplace Transform for steady state and transient analysis.

CO4. Determine different network functions.

CO5. Appreciate the frequency domain techniques.



RSR RUNGTA COLLEGE OF ENGINEERING & TECHNOLOGY

Rungta Knowledge City

Kohka – Kurud Road, Bhilai (C.G.)-490024

Recognized by AICTE, New Delhi and Affiliated to CSVTU, Bhilai.

Department of Electronics & Telecommunication

Course Outcomes

Programme: Bachelor of Technology

Course Name : Data Structure using C++

Semester: III

Course Code B028315(028)

- CO1. For a given algorithm student will able to analyze the algorithms to determine the time and computation complexity and justify the correctness.
- CO2. For a given Search problem (Linear Search and Binary Search) student will able to implement it.
- CO3. For a given problem of Stacks, Queues and linked list student will able to implement it and analyze the same to determine the time and computation complexity.
- CO4. Student will able to write an algorithm Selection Sort, Bubble Sort, Insertion Sort,
- CO5. Quick Sort, Merge Sort, Heap Sort and compare their performance in term of Space and Time complexity. 6. Student will able to implement Graph search and traversal algorithms and determine the time and computation complexity.